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| ***S5***  National 5 TIMELINE 2019/2020 |   |
| **Wk** | **Week Ending** | **Content** | **Homework** | **Dates** |
|  **UNIT 1: CELL BIOLOGY** |
| 1 | 07/06/2019 |  Intro to cells. Cell ultrastructure and comparisons | Cell Sizes and Bar graphs/BR p7-9 |   |
| 2 | 14/06/2019 | Cell Transport - cell membranes, diffusion and osmosis | Averages and Comprehension/BR p11 |   |
| 3 | 21/06/2019 | Effect of osmosis. Active transport | Percentages and Ratios/HTP p11 |   |
| 4 | 28/06/2019 | Recap and REVISION |  |  |
| **SUMMER HOLIDAY** |
| 5 | 23/08/2019 | Recap and REVISION | **KEY AREAS 1 & 2 ASSESSMENT**   |
| 6 | 30/08/2019 |  DNA structure. Proteins. Genetic Engineering | HTP p15 (A+B1-3) BR p15 |   |
| 7 | 06/09/2019 | Enzyme activity. Types of enzyme reactions. Factors affecting rate | BR p21+23 , HTP p22 (A+B1) |   |
| 8 | 13/09/2019 | REVISION Respiration Intro + ATP | **KEY AREAS 3,4&5 ASSESSMENT** |  |
| 9 | 20/09/2019 | Types of respiration Effect of Exercise | HTP p34(A) , BR p35 |  |
| 10 | 27/09/2019 | REVISION   | **KEY AREA 6 ASSESSMENT** | *Hol Fri* |
| UNIT 2: MULTICELLULAR ORGANISMS |
| 11 | 04/10/2019 | Assignment Research and Communication | Assignment | *Hol Mon* |
| 12 | 11/10/2019 | Assignment Communication and Completion | Assignment |   |
| **OCTOBER WEEK** |
| 13 | 25/10/2019 | Unit 1 REVISION & UAS | **UNIT 1 ASSESSMENT** | *IS mon* |
| 14 | 01/11/2019 | Producing new cells, Stem cells | BR pp45,47,49  |   |
| 15 | 08/11/2019 | Cell, Tissues & Organs, Gametes – animals and plants | HTP p65 (A+B1),BR pp63,65  |  |
| 16 | 15/11/2019 | Fertilisation, discrete & continuous variation | HTP p70 (A+B1-2)BR pp67,69 |  |
| 17 | 22/11/2019 | Monohybrid crosses and revision | **KEY AREA 1, 3 & 4 ASSESSMENT**   |
| 18 | 29/11/2019 | Plant transport systems | BR p73,HTP p73 (A+B4), DART p32+3 |   |
| 19 | 06/12/2019 | Animal transport systems  | BR pp79, 87, 89, HTP p78 (A+B3) p87(A+B) |   |
| 20 | 13/12/2019 | Absorption of materials | BR p81, HTP p84 (A+B3), DART p34 -39 |  |
| 21 | 20/12/2019 | REVISION | **KEY AREA 5, 6 & 7ASSESSMENT**   |

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| **CHRISTMAS HOLIDAY** |
| 22 | 10/01/20 | Intro to Control & Communication – Nervous Control & Brain |  |  |
| 23 | 17/01/20 | PRELIMS | **REVISION** |
| 24 | 24/01/20 | PRELIMS | **REVISION** |
| 25 | 31/01/20 | Brain & Reflexes |  |
| 26 | 07/02/20 | Hormonal Control & blood glucose regulation | **KEY AREA 2 ASSESSMENT** |  |
| 27 | 14/02/20 | REVISION | **UNIT 2 ASSESSMENT** | *Hol Mon Wed IS*  |
| 28 | 21/02/20 | Ecosystems, Niche, Producers/Consumers, Competition |  |  |
| 29 | 28/02/20 | Identifying Organisms + Sampling techniques | HTP pp100 (A+B3), DART pp41+42 BR p95 |
| 30 | 06/03/20 | Biotic and Abiotic Factors, Grazing and Predation | BR pp105,107, HTP p113 (A+B1+2), DART pp53-55 |
| 31 | 13/03/20 | REVISION Photosynthesis | HTP pp100 (A+B3), DART pp41+42 BR p95 |
| 32 | 20/03/20 | Limiting Factor Experiments | **KEY AREA 1 & 2 ASSESSMENT** |
| 33 | 27/03/20 | Energy Transfer, Pyramids, REVISION | REVISION**KEY AREA 3 & 4 ASSESSMENT** |
| EASTER BREAK |
| 34 | 24/04/20 | Adaptations, Natural Selection, Speciation | BR p109, DART pp56+57 |
| 35 | 01/05/20 | REVISION | ***KEY AREA 5 & 6 ASSESSMENT*** |  |
| 36 | 08/05/20 |  | ***UNIT 3 ASSESSMENT*** | *Hol Mon**IS Tue* |
| 37 | 15/05/20 |  |  |